

# Day-Brite



by Signify

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : V3W235L840-UNV-DIM-WHP.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] FO38367.PSO  
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY  
[ISSUE DATE] 8/31/17  
[MANUFAC] SIGNIFY DAY-BRITE - CFI  
[LUMCAT] V3W235L840-UNV-DIM-WHP  
[LUMINAIRE] 2' VAPORLUME  
[MORE] 1-LINEP 2.40L6 4000K BOARD 40W DRIVER @684mA PRISMATIC ACRYLIC LENS WIDE OPTICS  
[LAMP] LED. LUMINAIRE OUTPUT = 3124 LUMENS  
[TESTDATE] 8/31/17  
[\_LM79] Absolute Photometry tested in accordance with IES procedure LM79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3124
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	25.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	3.30
Spacing Criterion (Diagonal)	2.94
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.08 ft
Luminous Width (90-270)	0.42 ft
Luminous Height	0.15 ft



### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3363	5263	7652
55	3345	9255	14035
65	3489	14564	14357
75	4891	14395	12257
85	4638	11512	9602

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
<b>0.0</b>	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5
<b>2.5</b>	273.1	271.8	274.2	275.7	275.7	275.7	274.2	271.8	273.1	271.8
<b>5.0</b>	272.4	271.8	275.8	278.8	279.1	278.8	275.8	271.8	272.4	271.8
<b>7.5</b>	271.3	272.0	278.4	284.0	285.1	284.0	278.4	272.0	271.3	272.0
<b>10.0</b>	269.9	272.2	282.4	291.9	293.8	291.9	282.4	272.2	269.9	272.2
<b>12.5</b>	268.1	272.3	287.7	302.2	304.8	302.2	287.7	272.3	268.1	272.3
<b>15.0</b>	265.9	272.4	294.2	313.7	317.1	313.7	294.2	272.4	265.9	272.4
<b>17.5</b>	263.4	272.5	301.5	325.7	329.9	325.7	301.5	272.5	263.4	272.5
<b>20.0</b>	260.5	272.6	309.3	337.0	341.3	337.0	309.3	272.6	260.5	272.6
<b>22.5</b>	257.3	272.7	317.0	347.0	351.9	347.0	317.0	272.7	257.3	272.7
<b>25.0</b>	254.0	272.8	324.1	356.8	363.6	356.8	324.1	272.8	254.0	272.8
<b>27.5</b>	250.2	273.1	330.7	367.9	378.0	367.9	330.7	273.1	250.2	273.1
<b>30.0</b>	245.8	273.3	338.0	383.3	395.5	383.3	338.0	273.3	245.8	273.3
<b>32.5</b>	240.9	272.9	345.8	402.2	416.1	402.2	345.8	272.9	240.9	272.9
<b>35.0</b>	235.5	271.8	354.6	420.6	435.4	420.6	354.6	271.8	235.5	271.8
<b>37.5</b>	229.5	270.1	364.2	436.4	452.0	436.4	364.2	270.1	229.5	270.1
<b>40.0</b>	222.7	267.9	373.7	452.2	471.6	452.2	373.7	267.9	222.7	267.9
<b>42.5</b>	215.2	265.5	382.6	477.8	507.1	477.8	382.6	265.5	215.2	265.5
<b>45.0</b>	207.1	263.1	394.1	522.1	596.5	522.1	394.1	263.1	207.1	263.1
<b>47.5</b>	198.8	260.5	416.8	628.5	687.2	628.5	416.8	260.5	198.8	260.5
<b>50.0</b>	190.1	258.1	456.2	745.1	859.3	745.1	456.2	258.1	190.1	258.1
<b>52.5</b>	181.1	256.8	542.2	881.9	936.3	881.9	542.2	256.8	181.1	256.8
<b>55.0</b>	171.9	259.7	618.2	946.4	987.5	946.4	618.2	259.7	171.9	259.7
<b>57.5</b>	162.8	265.2	753.7	971.2	1008.1	971.2	753.7	265.2	162.8	265.2
<b>60.0</b>	154.2	283.0	782.5	961.1	949.7	961.1	782.5	283.0	154.2	283.0
<b>62.5</b>	145.9	358.0	831.4	919.1	931.8	919.1	831.4	358.0	145.9	358.0
<b>65.0</b>	138.3	425.9	825.5	871.4	870.4	871.4	825.5	425.9	138.3	425.9
<b>67.5</b>	131.6	542.0	801.1	821.6	795.5	821.6	801.1	542.0	131.6	542.0
<b>70.0</b>	126.2	571.7	765.0	771.4	754.4	771.4	765.0	571.7	126.2	571.7
<b>72.5</b>	130.5	602.6	711.9	707.4	669.2	707.4	711.9	602.6	130.5	602.6
<b>75.0</b>	130.5	574.1	645.5	643.7	601.2	643.7	645.5	574.1	130.5	574.1
<b>77.5</b>	121.9	560.1	582.6	559.8	524.1	559.8	582.6	560.1	121.9	560.1
<b>80.0</b>	102.9	514.1	502.0	475.6	444.8	475.6	502.0	514.1	102.9	514.1
<b>82.5</b>	81.1	440.6	426.8	424.0	393.2	424.0	426.8	440.6	81.1	440.6
<b>85.0</b>	59.9	353.1	364.3	363.3	345.5	363.3	364.3	353.1	59.9	353.1
<b>87.5</b>	39.9	278.4	293.9	297.0	283.7	297.0	293.9	278.4	39.9	278.4
<b>90.0</b>	25.3	216.8	223.9	225.3	220.3	225.3	223.9	216.8	25.3	216.8
<b>92.5</b>	18.3	153.4	158.9	169.3	160.5	169.3	158.9	153.4	18.3	153.4
<b>95.0</b>	14.8	86.7	106.9	113.7	112.4	113.7	106.9	86.7	14.8	86.7
<b>97.5</b>	12.3	44.9	81.1	98.3	99.6	98.3	81.1	44.9	12.3	44.9
<b>100.0</b>	10.3	33.6	72.9	94.6	97.2	94.6	72.9	33.6	10.3	33.6
<b>102.5</b>	8.7	27.2	69.3	89.1	92.2	89.1	69.3	27.2	8.7	27.2
<b>105.0</b>	7.4	24.2	63.3	82.4	85.9	82.4	63.3	24.2	7.4	24.2
<b>107.5</b>	6.1	19.7	54.0	75.3	78.6	75.3	54.0	19.7	6.1	19.7
<b>110.0</b>	5.1	15.0	45.5	68.5	71.4	68.5	45.5	15.0	5.1	15.0
<b>112.5</b>	3.9	10.5	39.2	60.1	62.8	60.1	39.2	10.5	3.9	10.5
<b>115.0</b>	3.1	6.6	32.1	47.7	52.1	47.7	32.1	6.6	3.1	6.6
<b>117.5</b>	2.4	4.7	25.1	39.8	42.2	39.8	25.1	4.7	2.4	4.7
<b>120.0</b>	1.8	3.7	19.3	32.7	35.0	32.7	19.3	3.7	1.8	3.7
<b>122.5</b>	1.3	2.8	14.1	26.1	28.7	26.1	14.1	2.8	1.3	2.8
<b>125.0</b>	0.8	2.0	9.4	20.2	22.6	20.2	9.4	2.0	0.8	2.0
<b>127.5</b>	0.5	1.5	5.7	15.3	17.5	15.3	5.7	1.5	0.5	1.5
<b>130.0</b>	0.2	1.0	2.3	11.1	13.2	11.1	2.3	1.0	0.2	1.0
<b>132.5</b>	0.0	0.5	1.3	7.2	9.1	7.2	1.3	0.5	0.0	0.5

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**CANDELA TABULATION - (Cont.)**

135.0	0.0	0.2	0.6	3.4	5.3	3.4	0.6	0.2	0.0	0.2
137.5	0.0	0.0	0.1	0.6	1.9	0.6	0.1	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Vert. Angles**      **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	273.5	273.5	273.5	273.5	273.5	273.5	273.5
2.5	274.2	275.7	275.7	275.7	274.2	271.8	273.1
5.0	275.8	278.8	279.1	278.8	275.8	271.8	272.4
7.5	278.4	284.0	285.1	284.0	278.4	272.0	271.3
10.0	282.4	291.9	293.8	291.9	282.4	272.2	269.9
12.5	287.7	302.2	304.8	302.2	287.7	272.3	268.1
15.0	294.2	313.7	317.1	313.7	294.2	272.4	265.9
17.5	301.5	325.7	329.9	325.7	301.5	272.5	263.4
20.0	309.3	337.0	341.3	337.0	309.3	272.6	260.5
22.5	317.0	347.0	351.9	347.0	317.0	272.7	257.3
25.0	324.1	356.8	363.6	356.8	324.1	272.8	254.0
27.5	330.7	367.9	378.0	367.9	330.7	273.1	250.2
30.0	338.0	383.3	395.5	383.3	338.0	273.3	245.8
32.5	345.8	402.2	416.1	402.2	345.8	272.9	240.9
35.0	354.6	420.6	435.4	420.6	354.6	271.8	235.5
37.5	364.2	436.4	452.0	436.4	364.2	270.1	229.5
40.0	373.7	452.2	471.6	452.2	373.7	267.9	222.7
42.5	382.6	477.8	507.1	477.8	382.6	265.5	215.2
45.0	394.1	522.1	596.5	522.1	394.1	263.1	207.1
47.5	416.8	628.5	687.2	628.5	416.8	260.5	198.8
50.0	456.2	745.1	859.3	745.1	456.2	258.1	190.1
52.5	542.2	881.9	936.3	881.9	542.2	256.8	181.1
55.0	618.2	946.4	987.5	946.4	618.2	259.7	171.9
57.5	753.7	971.2	1008.1	971.2	753.7	265.2	162.8
60.0	782.5	961.1	949.7	961.1	782.5	283.0	154.2
62.5	831.4	919.1	931.8	919.1	831.4	358.0	145.9
65.0	825.5	871.4	870.4	871.4	825.5	425.9	138.3
67.5	801.1	821.6	795.5	821.6	801.1	542.0	131.6
70.0	765.0	771.4	754.4	771.4	765.0	571.7	126.2
72.5	711.9	707.4	669.2	707.4	711.9	602.6	130.5
75.0	645.5	643.7	601.2	643.7	645.5	574.1	130.5
77.5	582.6	559.8	524.1	559.8	582.6	560.1	121.9
80.0	502.0	475.6	444.8	475.6	502.0	514.1	102.9

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**CANDELA TABULATION - (Cont.)**

82.5	426.8	424.0	393.2	424.0	426.8	440.6	81.1
85.0	364.3	363.3	345.5	363.3	364.3	353.1	59.9
87.5	293.9	297.0	283.7	297.0	293.9	278.4	39.9
90.0	223.9	225.3	220.3	225.3	223.9	216.8	25.3
92.5	158.9	169.3	160.5	169.3	158.9	153.4	18.3
95.0	106.9	113.7	112.4	113.7	106.9	86.7	14.8
97.5	81.1	98.3	99.6	98.3	81.1	44.9	12.3
100.0	72.9	94.6	97.2	94.6	72.9	33.6	10.3
102.5	69.3	89.1	92.2	89.1	69.3	27.2	8.7
105.0	63.3	82.4	85.9	82.4	63.3	24.2	7.4
107.5	54.0	75.3	78.6	75.3	54.0	19.7	6.1
110.0	45.5	68.5	71.4	68.5	45.5	15.0	5.1
112.5	39.2	60.1	62.8	60.1	39.2	10.5	3.9
115.0	32.1	47.7	52.1	47.7	32.1	6.6	3.1
117.5	25.1	39.8	42.2	39.8	25.1	4.7	2.4
120.0	19.3	32.7	35.0	32.7	19.3	3.7	1.8
122.5	14.1	26.1	28.7	26.1	14.1	2.8	1.3
125.0	9.4	20.2	22.6	20.2	9.4	2.0	0.8
127.5	5.7	15.3	17.5	15.3	5.7	1.5	0.5
130.0	2.3	11.1	13.2	11.1	2.3	1.0	0.2
132.5	1.3	7.2	9.1	7.2	1.3	0.5	0.0
135.0	0.6	3.4	5.3	3.4	0.6	0.2	0.0
137.5	0.1	0.6	1.9	0.6	0.1	0.0	0.0
140.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
142.5	0.0	0.1	0.0	0.1	0.0	0.0	0.0
145.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	109.95	N.A.	3.50
0-30	256.56	N.A.	8.20
0-40	473.73	N.A.	15.20
0-60	1325.24	N.A.	42.40
0-80	2557.81	N.A.	81.90
0-90	2906.64	N.A.	93.10
10-90	2880.14	N.A.	92.20
20-40	363.78	N.A.	11.60
20-50	681.23	N.A.	21.80
40-70	1500.78	N.A.	48.00
60-80	1232.56	N.A.	39.50
70-80	583.30	N.A.	18.70
80-90	348.84	N.A.	11.20
90-110	175.71	N.A.	5.60
90-120	205.01	N.A.	6.60
90-130	215.23	N.A.	6.90
90-150	216.89	N.A.	6.90
90-180	216.89	N.A.	6.90
110-180	41.18	N.A.	1.30
0-180	3123.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	26.51
10-20	83.44
20-30	146.61
30-40	217.17
40-50	317.45
50-60	534.06
60-70	649.26
70-80	583.30
80-90	348.84
90-100	119.09
100-110	56.62
110-120	29.29
120-130	10.23
130-140	1.64
140-150	0.01
150-160	0.00
160-170	0.00
170-180	0.00

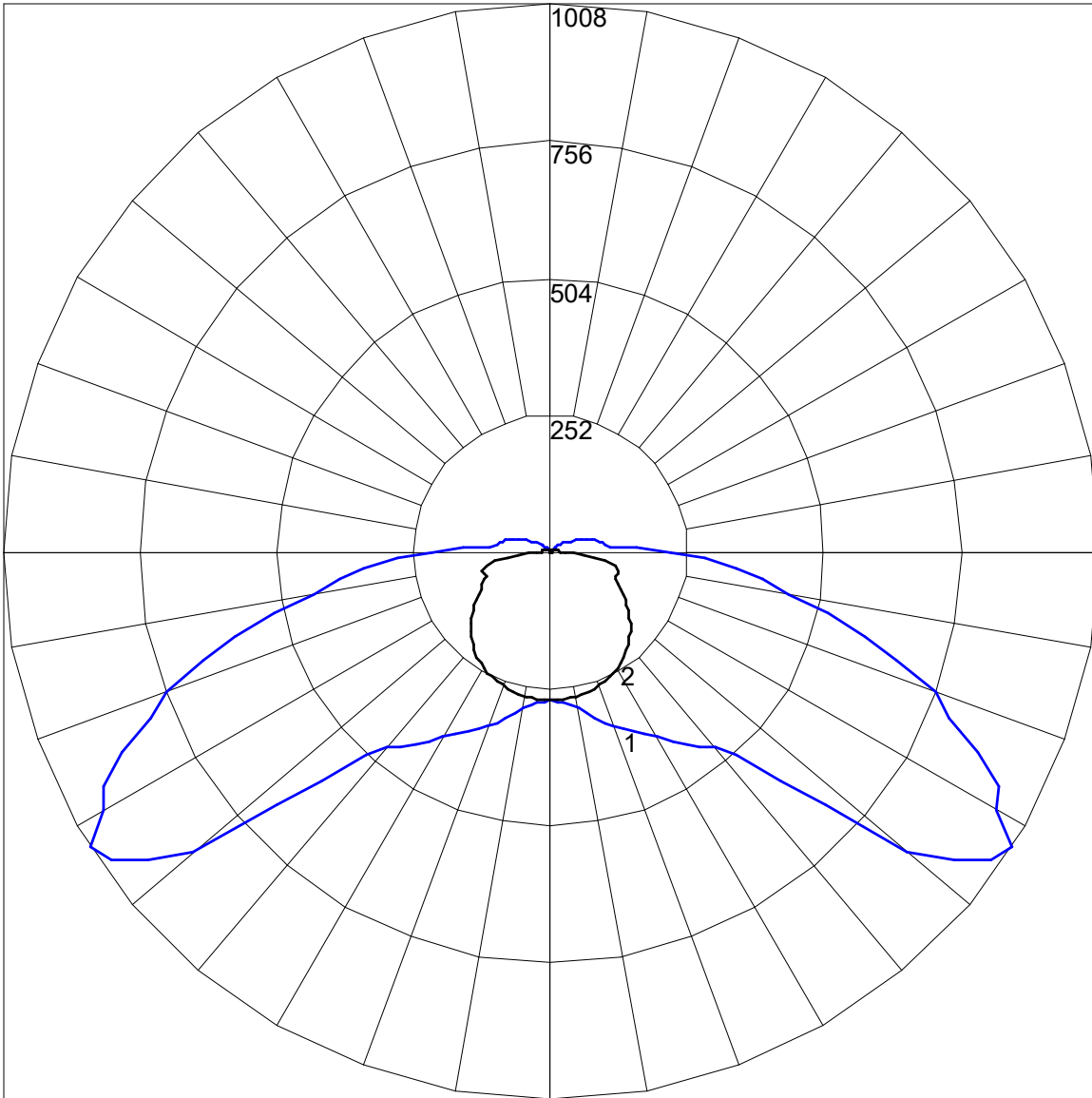
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	100	92	86	79	96	89	83	77	84	78	73	78	74	70	73	70	66	63
2	87	75	65	57	84	73	64	56	68	60	53	63	57	51	59	53	49	46
3	77	63	52	43	74	61	50	42	56	47	40	52	45	38	49	42	37	34
4	69	54	42	33	66	52	41	33	48	39	31	45	37	30	41	35	29	26
5	63	46	35	27	60	45	34	26	42	32	25	39	31	24	36	29	23	21
6	57	41	30	22	54	39	29	22	37	28	21	34	26	20	32	25	19	17
7	52	36	26	19	50	35	25	18	33	24	18	31	23	17	29	22	16	14
8	48	33	23	16	46	32	22	16	30	21	15	28	20	15	26	19	14	12
9	45	30	20	14	43	29	20	14	27	19	13	25	18	13	24	17	12	10
10	42	27	18	12	40	26	18	12	25	17	12	23	16	11	22	15	11	9

POLAR GRAPH



Maximum Candela = 1008.1 Located At Horizontal Angle = 90, Vertical Angle = 57.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)